

**DATA REPRESENTATION AND RETRIEVAL METHOD AND APPARATUS
FOR HIGH SPEED DATA SEARCH AND RETRIEVAL**

Abstract of the Disclosure

5 A data representation and retrieval method and apparatus
enables to quickly locate and extract specified data from a
data file with use of supplemental data stored in a small
storage file. The method includes the steps of providing a
primary data file which stores a large volume of recorded
10 data where a location of each piece of recorded data is
represented by an offset value, providing a secondary data
file which stores supplemental data for assisting to search
and retrieve the recorded data from the primary data file,
accessing the secondary data file to retrieve supplemental
15 data corresponding to search data specified by a user, and
accessing the primary data file at locations specified by
offset values derived from the supplemental data and
retrieving the recorded data therefrom.

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SPC-AP39.002
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